The Voice Vibes App Guide

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Table of Contents

- Acknowledgements

- Who am I?

- My Journey with Clevered

- The Voice Vibes App

- How to use?

Acknowledgements

In this slide, I would like to thank the following people:

- My Parents: for pushing me to be a part of this course and for giving me unlimited support and for making me feel like I am capable of completing this journey.

- My Past and Current Mentors/ Teachers: for pushing me to finish this beneficial and course while also giving me a fruitful experience.

- Dr. Ken: for picking me among hundreds, if not thousands of learners and considering me as the "top 1%" and for picking teachers with amazing teaching skills.

Who Am I?

My name is Rizwan. I am a 14 year-old, born in Karachi, Pakistan.

I live here in Riyadh, Saudi Arabia, currently studying in the 9th grade.

I have many hobbies like:

- Playing many sports, such as football, basketball and table tennis.
- Video Gaming
- Playing songs on the guitar
- Obviously, Coding and Programming

This is me.

My Journey with Clevered

After being with Clevered for the last 2 years, I will say that the learning experience is like no other. From learning the basics of A.I to being a part of an internship with advanced programming, I will happily and willingly suggest the name of Clevered to anyone and everyone who wants to learn how to code.

Introduction to Voice Vibes

Voice Vibes can do many things. It was made by me with the help of my trainer, Mr. Avishek.

I used the Jupyter Notebook platform to create the code.

Voice Vibes has 3 parts to it:

- The first is an emotion or sentiment detector, recognizing the sentence given as either a "Positive", "Neutral", or "Negative" statement.
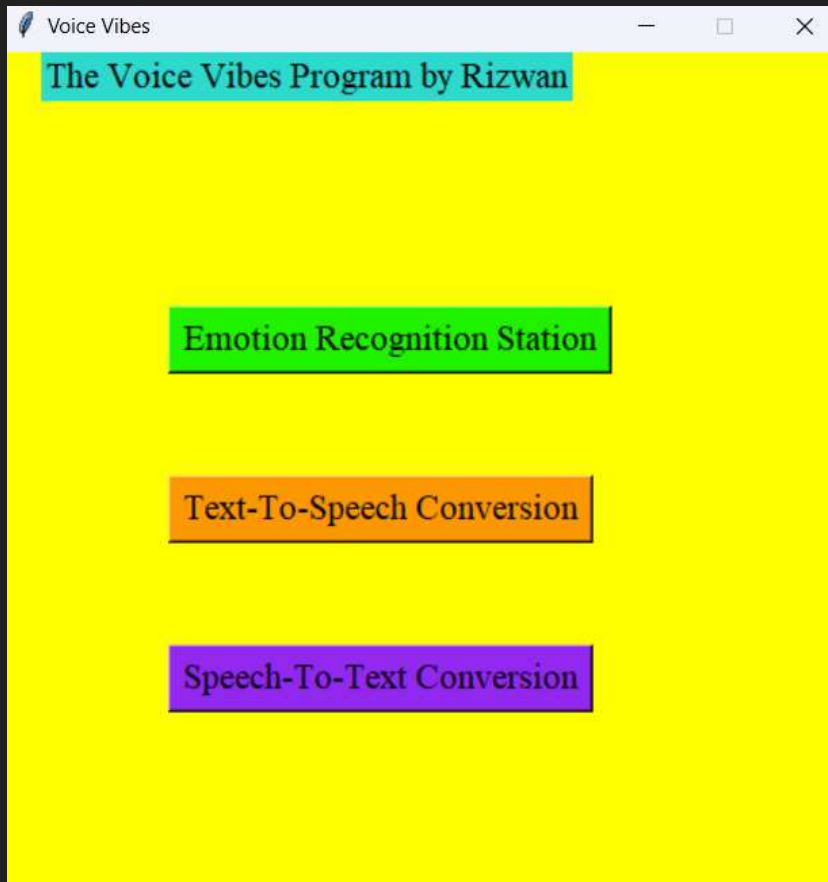- The second and third are sub-sections for both Speech to Text and Text to Speech conversions.

My aim for Voice Vibes is for it to help in detecting emotions of the user, a speech to text sub-section for people with hearing impairments, and a text to speech sub-section for people with visual disabilities.

How to Use the Voice Vibes App?

Starting Page

This is the starting page,
or the main menu.

In the main menu, the user can click on of the three buttons:
O Emotion Recognition Station
O Text-To-Speech Conversion
O Speech-To-Text Conversion

After the user clicks on any one, they will be directed to a different window for that option.

Emotion Recognition Station

This is the Emotion Recognition Station.

In this screen, the user will input a sentence with either a positive, negative or neutral sentiment. The program will then calculate the negative, neutral and positive words in the sentence and will give an output of one of the three emotions.

After the user is done, and if they want to try again, they can click on the "Clear" button to input another sentence.

Text-To-Speech Conversion
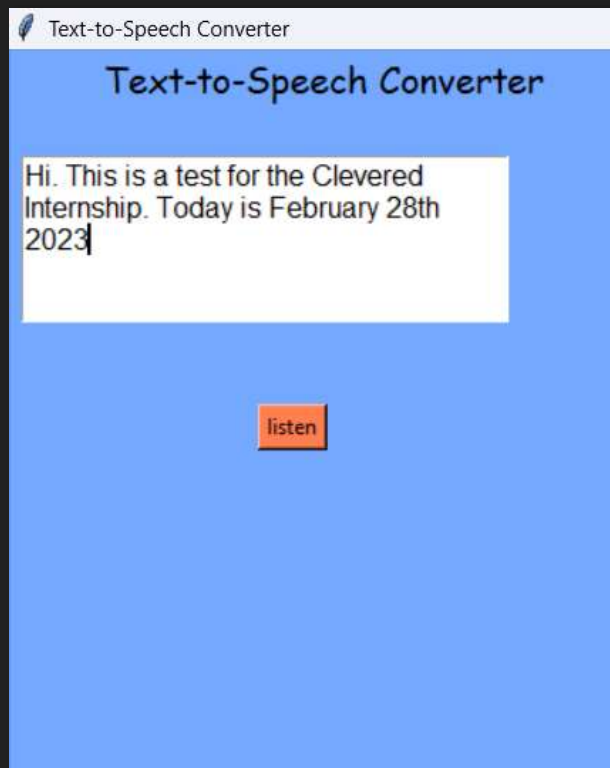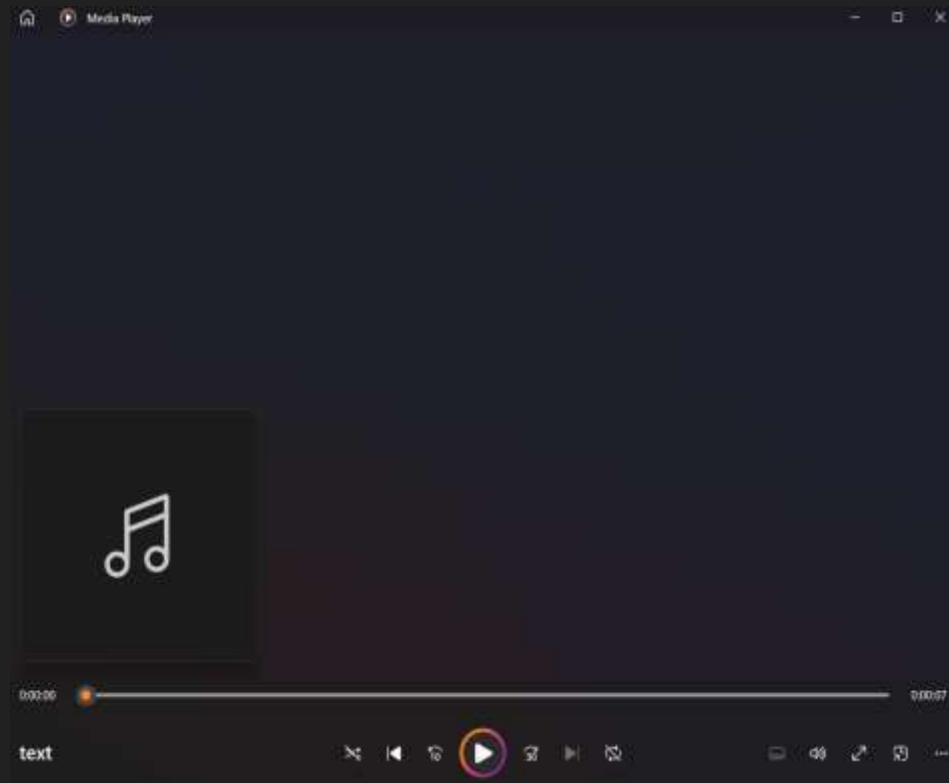

This is the Text-To-Speech Converter.

In this screen, the user will input a sentence or a phrase which they want the program to "say". After they have the desired sentence, they can click on the "listen" button to hear what the program is going to say

After the user is done, and if they want to try again, they can just delete the sentence and start over.
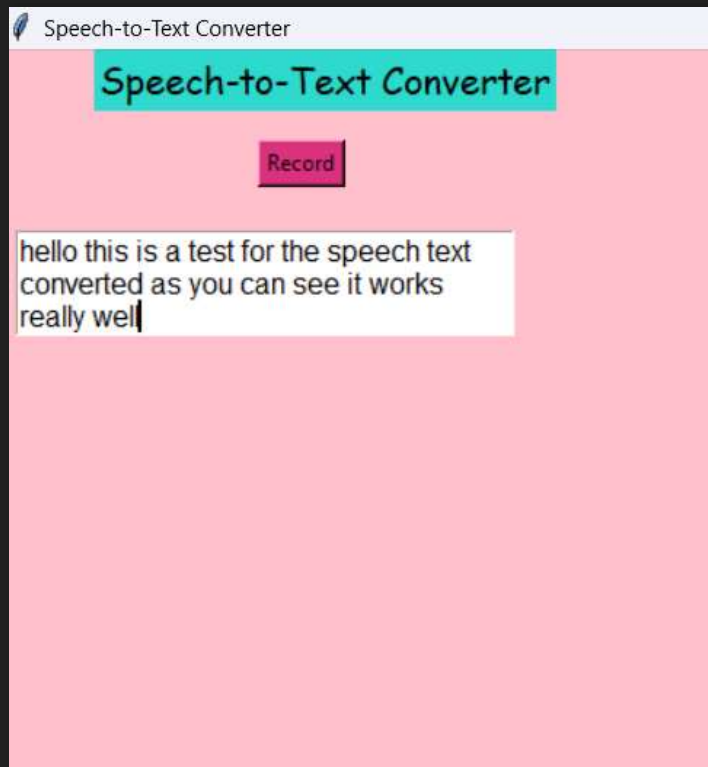
Text-To-Speech Conversion Pt.2

This is the screen that opens after clicking the "listen" button

In this screen, the program will start to say what the user typed in the user's desired media or voice player.

Speech-To-Text Conversion

This is the Speech-To-Text Converter.

In this screen, the user will click on the "Record" button and start saying a phrase. After the program detects a pause, it will stop and give the output of the detected speech.

Contact Person

If you have any queries or problems, please contact riz.hassan2020@gmail.com and I'll be sure to reply within 24 hours!

Thank You!!!